

# PATENT COOPERATION TREATY

# PCT

# 10/598485

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PAA04-0058	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/KR2005/001140	International filing date ( <i>day/month/year</i> ) 21 April 2005 (21.04.2005)	Priority date ( <i>day/month/year</i> ) 21 April 2004 (21.04.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant SUNG KYUNG PRECISION CO., LTD.		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.  In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input checked="" type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							
4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

<p style="text-align: center;">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Date of issuance of this report 25 October 2006 (25.10.2006)</p> <hr/> <p>Authorized officer  <b>Philippe Becamel</b>  e-mail: pt12@wipo.int</p>
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## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

SUH, Won Ho

9th Fl., Seolim Bldg., 649-10, Youksam-Dong, Gangnam-Gu  
Seoul 135-080 Republic of Korea

**PCT**  
REC'D 02 AUG 2005

WRITTEN OPINION OF THE PCT  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) **25 JULY 2005 (25.07.2005)**

Applicant's or agent's file reference  
**PAA04-0058**

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/KR2005/001140**

International filing date (day/month/year)

**21 APRIL 2005 (21.04.2005)**

Priority date(day/month/year)

**21 APRIL 2004 (21.04.2004)**

International Patent Classification (IPC) or both national classification and IPC

**IPC7 H01R 13/629**

Applicant

**SUHG KYUNG PRECISION CO., LTD. et al**

## 1. This opinion contains indications relating to the following items:


- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☒ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR  
 Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon  
302-701, Republic of Korea  
Facsimile No. 82-42-472-7140

Date of completion of this opinion  
**25 JULY 2005 (25.07.2005)**

Authorized officer  
**SONG, Seung-Hoon**  
Telephone No.82-42-481-5885



WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/001140

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ on paper  
☐ in electronic form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in electronic form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/001140

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	3, 5	YES
	Claims	1, 2, 4	NO
Inventive step (IS)	Claims	3, 5	YES
	Claims	1, 2, 4	NO
Industrial applicability (IA)	Claims	1 ~ 5	YES
	Claims	None	NO

**2. Citations and explanations :**

D1 : US 6394838 B1 Date of patent 2002/05/28  
Insertion socket for use with a flat cable

D2 : US 5928015 A Date of patent 1999/07/27  
Electrical connector socket with daughtercard ejector

D3 : US 5921785 A Date of patent 1999/07/13  
Electrical connector for flat cables

Prior art D3 discloses a basic combination structure which a terminal makes a pressurized contact with the cable blade when a flat cable is inserted in the flat cable connector area.

Prior art D1 discloses a structure that when the flat cable is inserted, the socket mainbody surrounding the flat cable is elastically deformed and fixes the cable with pressurization.

Prior art D2 discloses a lever-type pressurized fixation structure which pivots the inserting power at the usual connector and converts it with pressurization.

Therefore, a person skilled in the art can invent claims 1,2,4 of the present invention by the combination of D1&D2. Claims 1,2,4 lack an inventive step.

International application No.  
PCT/KR2005/001140

**1. Certain published documents (Rule 43bis.1 and 70.10)**

Priority date (valid claim)  
(day/month/year)

Date of patent 2002/05/28

Insertion socket for use with a flat cable

Date of patent 1999/07/27

**Electrical connector socket with daughtercard ejector**

Date of patent 1999/07/13

### Electrical connector for flat cables

## 2. Non-written disclosures (Rule 43bis.1 and 70.9)

Date of written disclosure  
referring to non-written disclosure  
(day/month/year)